

ABOUT THE K2MI

The purpose of the Idaho K-2 Mathematics Inventory (K2MI) is to help primary teachers determine student understanding of and growth in mathematical knowledge. The findings from the Inventory will assist teachers in planning lessons and experiences that will deepen their students' mathematical understanding. The K2MI can aid classroom teachers in the early detection of their students' strengths and weaknesses in mathematics. For its most beneficial use, the Inventory should be given by the student's own classroom teacher in a one-on-one sitting.

The K2MI is provided by the Idaho Department of Education to all Idaho public school districts. The K2MI is not a standardized, large group test and is not linked to NCLB adequate yearly progress requirements.

This observational and informal inventory is made up of student-centered, teacher-driven activities. It consists of five strands and may be administered in one to five sittings. The Mathematical Reasoning and Problem Solving strand is embedded in selected items in each of the other five strands. The inventory provides information about student understanding of key elements of the Idaho Standards of Achievement in Mathematics. Manipulatives are used throughout the Inventory, providing a hands-on experience reflecting the hands-on instruction that is vital during the primary grades.

Given as a pre-instructional inventory, it can be used to provide critical decision-making information for the teacher to prescribe interventions or extensions for students. Given as a post-instructional inventory, it can be used to monitor student growth and the effectiveness of classroom instruction. For example, a first grade teacher may administer the first-grade "measurement" strand after completing a unit on measurement. This flexibility allows adaptations to meet teacher time constraints and individual student needs.

Schools and/or school districts have the flexibility to use this inventory in a manner that they find most beneficial.

ABOUT ADMINISTERING THE K2MI

Before Administering the Inventory

- Study the Administrator's Manual
- Become familiar with the Inventory Checklist
- Determine the strand(s) to be inventoried
- Gather the manipulatives necessary for the strands to be inventoried
- Prepare a place for the Inventory (Because flip charts are used, it is suggested that the student sit facing the teacher with adequate space to use the manipulatives.)

The K2MI Kit Includes

- Flip chart including the five mathematical strands
- Manipulatives for the Inventory
- Master copies of student checklists
- K-2 Mathematics Instructional Supplement

The flip charts are designed with a student's side and a teacher's side. The teacher's side includes directions, manipulatives needed, what the teacher should say *printed in red*, and the answers. It also includes what the student is viewing and a specific reference to the section of the standards being assessed. Teachers will complete the checklist while assessing the student.

K2MI Website

Updates, additions, supplemental documents, the comprehensive checklist, and individual content strand checklists, can be accessed and/or downloaded at the K2MI website. The link to the site is located at www.sde.state.id.us/instruct/math/.

ABOUT K2MI INVENTORY CHECKLIST

Two types of checklists are provided with the K2MI. Teachers should choose the recording method that best aligns with the selected application of the Inventory.

Comprehensive Checklist

The Comprehensive Checklist is to be completed by the teacher while administering the K2MI. Put a check after each item ONLY if the student answers all parts of the item correctly. Keep the checks within the student's current grade column. However, you may allow students to continue answering items beyond those aligned with the student's grade level. The checks may appear in the unshaded and shaded sections of the grade column. The back of the checklist provides a place for the teacher to write comments. Prior to using the inventory checklist, the teacher should enter pertinent information regarding the student on the upper left corner of the checklist. The K2MI Comprehensive Checklist is designed to follow the student from kindergarten through second grade.

Strand-Specific Checklists

As an alternative to the Comprehensive Checklist, a set of five strand-specific checklists are also provided with the K2MI. These checklists are designed to provide a more detailed inventory of an individual student's K-2 mathematics knowledge and skills. The strand-specific form provides a three-column format and additional room for teacher comments.

Before Administering the K2MI

Before administering the Inventory, duplicate the checklists as needed. The K2MI kit contains master copies of the Comprehensive and strand-specific checklists. These master copies can be found on the following pages of this Administrator's Manual and as loose pages included with the manipulatives in the kit.

Additional Copies of Checklists

An electronic version of the K2MI Comprehensive Checklist and strand-specific checklists may be downloaded at the K2MI website. This site may be accessed from www.sde.state.id.us/instruct/math.